

***Enhancements***  
***Oil and Gas Operations Report***  
***(Form MMS- 4054)***  
Effective January 2003

Some of these edits will compare specific data fields with reported codes while other edits compare various data field relationships. The edits described below will execute during validation.

1. If Part C Total Production (BBL) is not equal to 0, then execute edit.  
    EDIT - If Disposition Code 10 does not exist on Part B, then error.  
    ERROR MESSAGE: Disposition Code 10 is required on Part B when Total Production exists on Part C.
2. If Part C Total Production (BBL) is not equal to 0, then execute edit.  
    EDIT - If Oil/Condensate (BBL) volumes associated with Disposition Code 10 on Part B do not equal the Total Production on Part C, then error.  
    ERROR MESSAGE - Oil/Condensate volume associated with Disposition Code 10 on Part B must equal the Total Production on Part C.
3. EDIT - Compare the Oil/Condensate Production Volume Total on Part A with the Oil/Condensate Disposition Volume Total on Part B. If they are not the same, then error.  
    ERROR MESSAGE: Part A Oil/Condensate Production Volume Total must equal Part B Oil/Condensate Disposition Volume Total.
4. EDIT - Compare the Gas Production Volume Total on Part A with the Gas Disposition Volume Total on Part B. If they are not the same, then error.  
    ERROR MESSAGE: Part A Gas Production Volume Total must equal Part B Gas Disposition Volume Total.
5. EDIT - Compare the Water Production Volume Total on Part A with the Water Disposition Volume Total on Part B. If they are not the same, then error.  
    ERROR MESSAGE: Part A Water Production Volume Total must equal Part B Water Disposition Volume Total.
6. If Part B Disposition Code is 10 and Oil/Condensate (BBL) is not 0, then execute edit.  
    EDIT - If Part B API Gravity is not 0, then error.  
    ERROR MESSAGE: API Gravity must be blank for this Disposition Code.
7. If Part B Disposition Code is 51 and Action Code is "A" then execute edit.  
    EDIT - If Part B Water (BBL) is not 0 then error.  
    ERROR MESSAGE: Only Disposition Codes 14, 17, 23, or 27 are valid for Water.

8. If Part B Disposition Code is 51 and Action Code is “A” then execute edit.  
EDIT - If Part B GAS (MCF) is not 0 then error.  
ERROR MESSAGE: Disposition Code 51 is not valid for Add Action Code.  
Please select a valid Disposition Code for Gas.
9. If Part B Disposition Code is 51 and Action Code is “A”, then execute edit.  
EDIT - If Part B Oil/Condensate (BBL) is not 0, then error.  
ERROR MESSAGE: Disposition Code 51 is not valid for Add Action Code.  
Please select a valid Disposition Code for Oil.
10. If Part C Adjustment Code is 51 and Action Code is “A”, then execute edit.  
EDIT - If Part C Adjustment Volume (BBL) is not 0, then error.  
ERROR MESSAGE: Adjustment Code 51 is not valid for Add Action Code.  
Please select a valid Adjustment Code for Oil/Condensate Adjustment Volumes.
11. If Part B Disposition Code is 01, 04, 11, or 12 and GAS (MCF) is not 0, then execute edit.  
EDIT - If Part B BTU is blank, then error.  
ERROR MESSAGE: BTU content is required for this Disposition Code.
12. If Part B Disposition Code is 01, 04, 07, 16, or 29 and Oil/Condensate (BBL) is not 0, then execute edit.  
EDIT - If Part B API Gravity is blank, then error.  
ERROR MESSAGE: API Gravity is required for this Disposition Code.
13. If Part C Adjustment Code is 04, 16, or 29 and Adjustment Volume (BBL) is not 0, then execute edit.  
EDIT - If Part C API Gravity is blank, then error.  
ERROR MESSAGE: API Gravity is required for this Adjustment Code.
14. EDIT - If Contact telephone number contains less than 10 digits or non-numeric characters, then error.  
ERROR MESSAGE: Phone number requires 10 numeric digits.
15. If Part A Well Status Code is 03, 04, 05, 06, 08, 09, 11, 18, GIW, WIW, WDW, WSW, POW, GLO, PGW or SIW and Oil/Condensate (BBL), Gas (MCF), Water (BBL), or Injection (BBL/MCF) is not 0, then execute edit.  
EDIT - If Part A Days Produced is blank, then error.  
ERROR MESSAGE: Days Produced must be greater than 0 when volume is reported.
16. If Part A Well Status Code is 08, 09, 18, POW, GLO, PGW or SIW and Part A Days Produced is not 0, the execute edit.  
EDIT - If Part A Oil/Condensate (BBL), Gas (MCF), Water (BBL), or Injection is 0, then error.

ERROR MESSAGE: Oil/Condensate (BBL), or Gas (MCF), or Water (BBL), or Injection (BBL/MCF) volume must be greater than 0 when Days Produced is reported.

17. If Part A Well Status Code is 01, 02, 03, 04, 05, 06, 07, 12, 13, 14, 15, 16, DRG, DSI, GIW, WIW, WDW, WSW, MW, OSI, TA, ABD, or PA and Oil/Condensate (BBL), Gas (MCF), Water (BBL), or Injection (BBL/MCF) is 0, then execute edit.

EDIT - If Part A Days Produced is not 0, then error.

ERROR MESSAGE: Days Produced must be blank for this WELL Status Code.

18. If Part B Disposition Code is 11 or 12, then execute edit.

EDIT - If Part B Gas Plant is blank, then error.

ERROR MESSAGE: Gas Plant is required for this Disposition Code.

19. If Part A Well Status Code is 14 or TA, then execute edit.

EDIT - If Part A Well Action Code is not blank, then error.

ERROR MESSAGE: Well Action Code is not required.

20. If Part A API Well Number is present, then execute edit.

EDIT - If API Well Number has alpha characters, then error.

ERROR MESSAGE: API Well Number must contain 12 numeric characters.

21. If Part B Disposition Code is 13, then execute edit.

EDIT - If Part B Oil/Condensate (BBL) or Gas (MCF) is not negative, then error.

ERROR MESSAGE: Volume must be negative on Part B.

22. If Part C Disposition Code is 03, 04, 05, 09, 11, 14, 16, 20, 23, 24, 28, 32, 44, 45, or 49, then execute edit.

EDIT - If Part C Adj. Volume (BBL) volume is not negative, then error.

ERROR MESSAGE: Adjustment Volume must be negative on Part C.

23. EDIT - If Part B Action Code, Meter Number, Gas Plant Number and Disposition Code already exist and all four are the same, then error.

ERROR MESSAGE: Duplicate lines for the same Action Code, Meter Number, Gas Plant, and Disposition Code are not allowed on Part B.

24. EDIT - If Part C Action Code, Product Code, Inventory Storage Point Number and Metering Point already exist and all four are the same, then error.

ERROR MESSAGE: Duplicate lines for the same Action Code, Product Code, Inventory Storage Point Number and Metering Point Gas Plant are not allowed on Part C.

25. If Part A Well Shut-in Reason is 30 or 88 then execute edit.

EDIT - If Part A Well Status Code is 12, 14, OSI, or TA, then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

26. If Part A Well Shut-in Reason is 32 then execute edit.

EDIT - If Part A Well Status Code is 13, 14, GSI, or TA then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

27. If Part A Well Shut-in Reason is 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 47, 48, 60, 61, 62, 63, 64, 65, 70, 71, 73, 74, 75, 76, 80, 81, 82, 83, 85, 86, 87, or 89 then execute edit.

EDIT - If Part A Well Status Code is 14 or TA then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

28. If Part A Well Shut-in Reason is 49 or 50 then execute edit.

EDIT - If Part B Well Status Code is 13, 14, GSI, or TA then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

29. If Part A Well Shut-in Reason is 77 then execute edit.

EDIT - If Part A Well Status Code is 12 or OSI then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

30. If Part A Well Shut-in Reason is 90 then execute edit.

EDIT - If Part A Well Status Code is 12, 13, OSI, or GSI then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Status combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

31. If Part A Well Shut-in Reason is 31 or 50 then execute edit.

EDIT - If Part A Well Action Code is 1, 2, 3, or 4 then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

32. If Part A Well Shut-in Reason is 34 or 36 then execute edit.

EDIT - If Part A Well Action Code is 4, 5, or 6 then error.

ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.

33. If Part A Well Shut-in Reason is 35 then execute edit.  
EDIT - If Part A Well Action Code is 1, 2, 4, 5, or 6 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.
34. If Part A Well Shut-in Reason is 38, 40, 44, 46, 47, or 48 then execute edit.  
EDIT - If Part A Well Action Code is 3 or 4 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.
35. If Part A Well Shut-in Reason is 41, 45, or 49 then execute edit.  
EDIT - If Part A Well Action Code is 3 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.
36. If Part A Well Shut-in Reason is 42 then execute edit.  
EDIT - If Part A Well Action Code is 4 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.
37. If Part A Well Shut-in Reason is 60, 61, 62, 63, 64, 70, 71, 72, 73, 74, 75, 76, 77, 80, 81, 82, 83, 84, 85, 87, 88, 89, or 90 then execute edit.  
EDIT - If Part A Well Action Code is 1 or 2 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.
38. If Part A Well Shut-in Reason is 65 then execute edit.  
EDIT - If Part A Well Action Code is 1, 2, or 3 then error.  
ERROR MESSAGE: Incorrect Well Shut-in Reason and Well Action Code combination for Part A. See Appendix H, Well Codes in the *Minerals Production Reporter Handbook*.